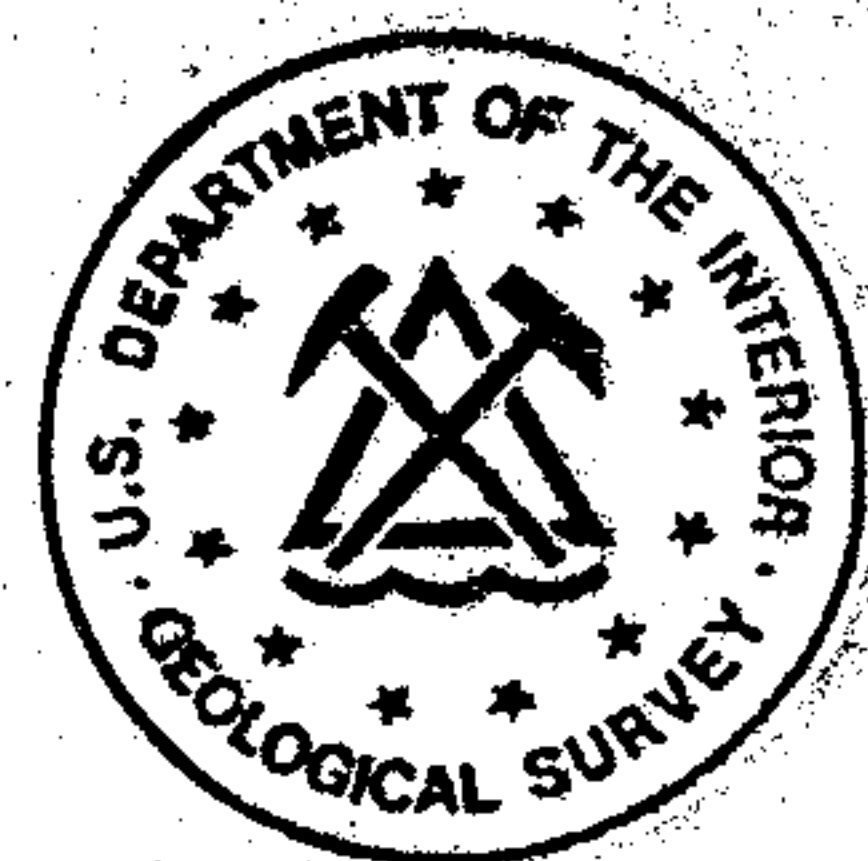


# U.S. GEOLOGICAL SURVEY

DFS V LOG



29

VESSEL R/V BALKASH CRUISE NO. DAI-92-1 DATE 8-29-92

SHOT INTERVAL (DISTANCE) \_\_\_\_\_ m OR TIME \_\_\_\_\_ sec.

OFFSET \_\_\_\_\_ m PRIME NAVIGATION GPS

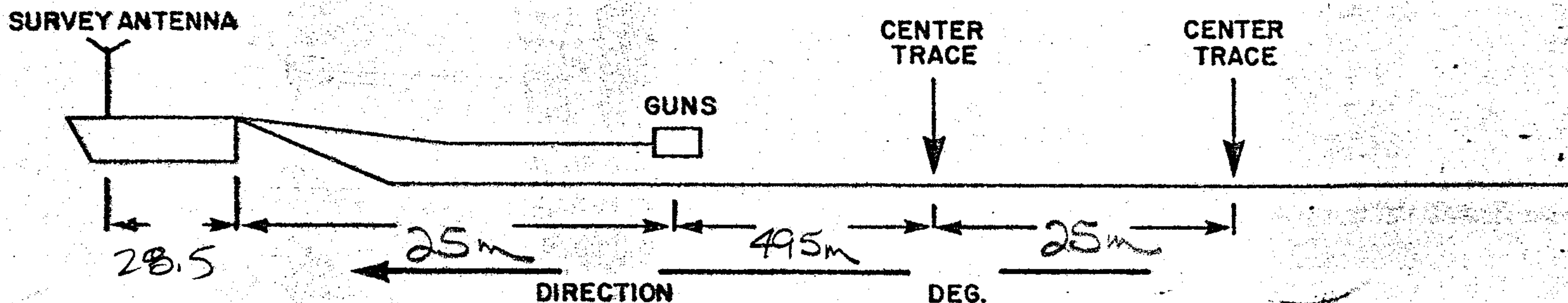
LINE NO. 0007 DIR. \_\_\_\_\_ DEG. CABLE TYPE 96 TEAC

LOCATION S. Basin TRACE INT. 25m

SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT ✓

RECORD LENGTH 8 EXTENDED HEADER START WORD —

SOUND SOURCE 1637 cu. in. @ 1900 psi @ 6 depth (m)



## RECORD

## REPRODUCE

INPUT GAIN (300 OHM IMP)	FILTERS		MAN	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI	IFP	LO	HI			
24dB	5/18	64		5	64	3	3	AGE

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	111	242	0007		1	82			1529	1602
2	112				83	166			1602	1639
1	113				167	248			1639	1713
2	114				249	331			1713	1748
1	115				332	413			1748	1823
2	116				414	496			1823	1857
1	117				497	578			1857	1931
2	118				579	661			1931	2005
1	119				662	743			2006	2040
2	120				744	765			2040	2050
1	121				766	847			2050	2123
2	122				848	930			2123	2159
1	123				931	1012			2159	2232
2	124				1013	1095			2232	
1	125	No Got			1016	?				
	126	No Got			1116	?			2320	



# U.S. GEOLOGICAL SURVEY

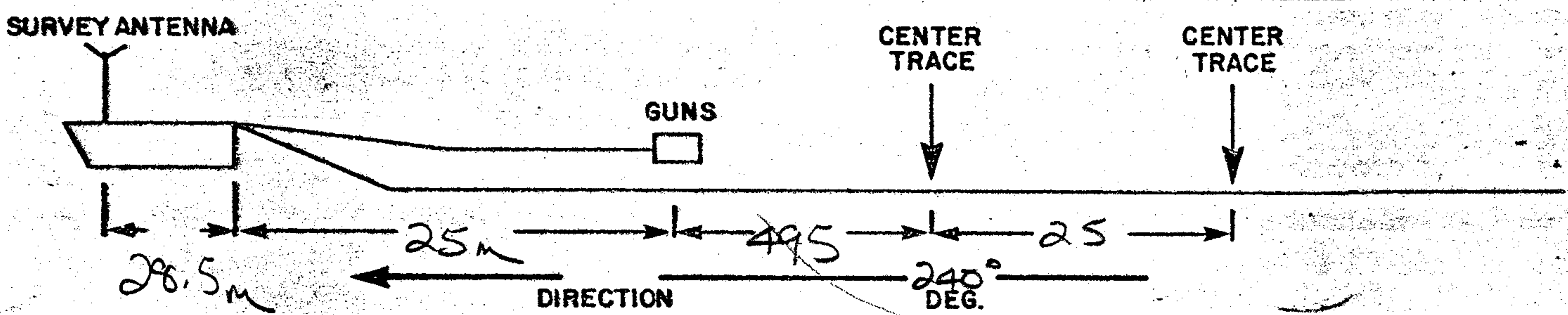
DFS V LOG



29A

VESSEL Balkash CRUISE NO. BAI-92-1 DATE 8-30-92

SHOT INTERVAL (DISTANCE) \_\_\_\_\_ m OR TIME 25 sec.  
 OFFSET 495 m PRIME NAVIGATION GPS  
 LINE NO. 007 DIR. 240° DEG. CABLE TYPE 96 TR.  
 LOCATION S. BASIN TRACE INT. 25 m  
 SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT ✓  
 RECORD LENGTH 8 sec EXTENDED HEADER START WORD \_\_\_\_\_  
 SOUND SOURCE 1437 cu. in. @ 1900 psi @ 6 m depth (m)



## RECORD

## REPRODUCE

INPUT GAIN (500 OHM IMP)	FILTERS		MAN (IFP)	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
<u>24dB</u>	<u>5/18</u>	<u>64</u>		<u>5</u>	<u>64</u>	<u>3</u>	<u>3</u>	<u>ABC</u>

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	127	242	0007	240	1117	1198			23:22	23:51
2	128				1199	1283			23:51	00:31
1	129				1283	1353			00:31	01:02
2	130	no file 1354			1355	1437			01:02	01:38
1	131				1438	1500			01:38	02:05
2	132				1501	1583			02:05	02:38
1	133				1584	1665			02:38	03:10
2	134				1667	1749			03:10	03:49
1	135				1750	1831			03:49	04:23
2	136				1832	1914			04:24	04:58
1	137				1915	1996			04:58	05:32
2	138				1997	2079			05:32	06:07
1	139				2080	2165			06:07	06:44
2	140				2166	2206			06:44	7:00
1	141				2207	2287			7:00	7:33
2	142				2288	2370			7:33	8:06



Curent USGS Type instrument DFST Offset distance 495 m

Area S. BASIN Record filter 5-64 Hz Group interval 25 m

State Lk. Baikal Sample rate 4 ms Fold coverage 48

Observer Kidrol gun depth 6 m in.<sup>3</sup> of guns 1437 cu in.

Pre-plot	Shotpoint	File No.	Time	#ldr.	Cable Depth	W.D.	Reel No.	Line No.	Remarks
		1175	2345	235°		935	127	007	
		1210	2400	235°	7,8,7,8,8,7,8	955			
		1246	0615	237°		908	128		
		1252	8030	239°		994	128		
		1318	0045	235°		998			
		1392	0115	234°		1018	130		
		1423	0130	232°		1020	130		
		1460	0145	212°	8,8,8,21,14,11	1024	131		
		1567	0230	213°		1038	132		
		1603	0245	215°		1046	133		
		1639	0300	232°		1064	133		
		1679	0320	227°		1124	134		missed. 1666 from ID
		1708	0332	217°	9999, 10, 8	1124	134		PE 1405
		1747	0348	213		1164	134		
		1776	0400	225°		1176	135		PE 1820 1824
		1823	0420	214	10,9,8,8,8,7,8,1	1206	135		
		1852	0432	217°		1208	136		1832 no Data
		1921	0500	223°		1230	137		PE 1876 1906 1908-1911
		1958	0516	234°		1239	137		1907 no data PE
		2006	0536	214°	8,10,9,9,8,3,23,7,30	1248	138		1915 R-2 Page 137
		2029	0546	211°		1248	138		PE 1972
		2063	0600	205°		1272	139		PE 2060
		2129	0630	217°		1351	139		File 2080-2083 NO
		2169	0645	217°		1323	140		Data ID Error
									2186 2187 2188 2190
									2200 2201 no Data
									2202 2203 2204
		2208	07:01			1310	141		
		2261	7:22	212		1355			
		2282	7:30	217		1348			
		2319	7:45	221		1404	142		
		2362	8:00	209		1457			
		2407	8:20	200		1478			
		2430	8:30						no data



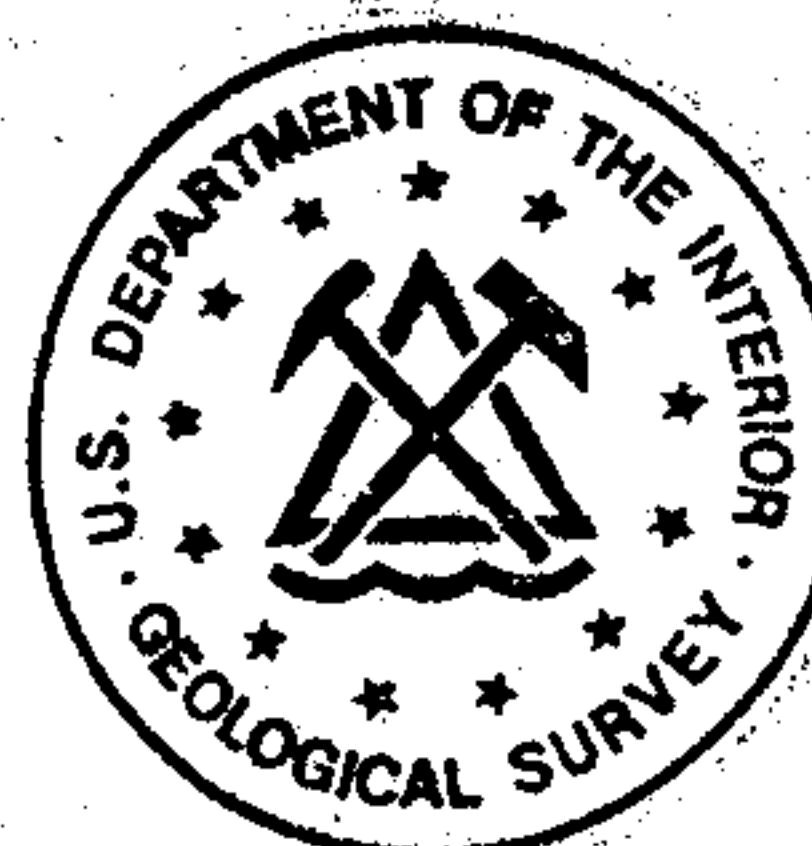
## OBSERVER'S MARINE REPORT

VESSEL R/V Balkash DATE 8-29-92 # 30

Client USGS Type instrument DFS II Offset distance 495m  
 Area Si. BASIN Record filter 5-64 Hz Group interval 25m  
 State Lake Baikal Sample rate 4ms Fold coverage 48  
 Observer Nichols/Lance/gun depth Low in.<sup>3</sup> of guns 1437

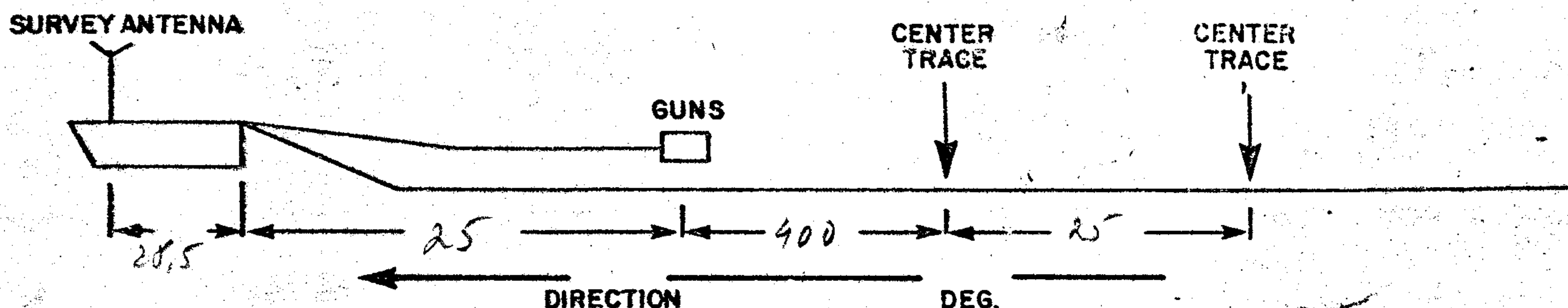
Pre-plot	Shotpoint	File No.	Time	#ldir.	Cable Depth	W.D.	Reel No.	Line No.	Remarks
		1	1529	241		1123	111	007	9 guns on line
		42	1545	251		1141	111		# 2 off line
		143	1630				112		PE 84 103
		182	1625			1184	113		missed shot 83 from
		217	1700	246		1159	113		ID Error
		254	1715	245		1152	114		PE 249 297
		290	1730	282		1134	114		
		331	1748			1107	114		
		359	1800			994	115		
		399	1815			939	115		
		432	1830			926	116		PE 470 487
		470	1845			792	116		
		509	1902			712	117		PE 497
		551	1920			666	117		PE 504, 509, 562, 571
		575	1930	241		661			572, 573, 574
		613	1945	245		576	118		PE # 584, 585, 586, 587
									589, 590, 591, 594
									592, 600
		667	20:00	238		374	119		
		686	20:16	248		380			
		724	20:32	239		390			
							120		PE # 747, 748, 749, 750
									751, 752, 753, 754 - 762
									764
		766	20:50	244					переход на нулевую
		790	21:00			399	121		матрицу пор.
		805	21:06			406	121		по борту.
		832	21:15	200		434	-		
		834	21:31			475	122		PE # 848, 853, 854
		899	21:45	206		523			
		934	22:00	203		558	123		
		976	22:15	208		647			
		1007	2230	230		703			
		1013	22:32				124		PE # 1013, 1015, 1016, 1017
									1018, 1019, 1020, 1021, 1022, 1023
									1025, - 1028, - 1027, 1028,
		1042	22:45	210		745			1049, 1055
		1106	23:15			859			

DFS V LOG



95

SOUND SOURCE 213+213 cu. in. @ 2000 psi @ 6 depth (m)



RECORD				REPRODUCE				
INPUT GAIN (100 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI	LO	HI				
36 dB	5/15	64		5	64	3	3	AGC

[illegible]



OBSERVER'S MARINE REPORT

VESSEL BALKAH DATE 9-23-92 # 96

Balkash

9-23-92 # 96

Client LISGS Type instrument DFS-V Offset distance 400

Area CBASIN Record filter 5-64H2 Group interval 25

State BAIKAL Sample rate 4 ms Fold coverage 24

Observer \_\_\_\_\_ gun depth 6 in.<sup>3</sup> of guns \_\_\_\_\_

[illegible]